### United States Department of the Interior Bureau of Land Management HiLine District

Environmental Assessment DOI-BLM-MT-M010-2016-0008-EA March 8, 2016

Natural Gas Pipeline Right-of-ways MTM058620, MTM060031, MTM060034, MTM061178, MTM061180, MTM079164, MTM083260, MTM108271

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# TABLE OF CONTENTS TABLE OF CONTENTS.....

T	ABLE	E OF CONTENTS	3
C	НАРТ	TER 1: PURPOSE AND NEED FOR THE PROPOSED ACTION	4
	1.1	Introduction	4
	1.2	Purpose and Need	4
	1.3	Background	4
	1.4	Decision to be Made	4
	1.5	Scoping	4
	1.6	Issue Identified for Analysis (Resource Issues)	5
	1.7	Issues Considered but Eliminated from Further Analysis	5
2	CH	HAPTER 2: THE PROPOSED ACTION AND ALTERNATIVES	7
	2.1	Introduction	7
	2.2	Alternative A – No Action	7
	2.3	Alternative B – Proposed Action	7
	2.4	Conformance with Land Use Plan.	9
	2.5	Relationship to Statutes, Regulations, other Plans, or other NEPA documents	10
3	CF	HAPTER 3: AFFECTED ENVIRONMENT	10
	3.1	Introduction	10
	3.2	General Setting	10
	3.3	Relevant Past and Ongoing Actions	10
	3.4	Cultural Resources	10
4	CH	HAPTER 4: ENVIRONMENTAL EFFECTS	13
	4.1	Introduction	13
	4.2	Methodology and Analytical Assumptions	13
	4.3	Cultural Resources	13
5	CH	HAPTER 5: CONSULTATION AND COORDINATION	14
	5.1	Introduction	14
	5.2	Persons, Groups, and Agencies Consulted	14
	5.3	List of Preparers	14
6	RE	EFERENCES	14
7	AI	PPENDIX: Legal Descriptions	15

#### CHAPTER 1: PURPOSE AND NEED FOR THE PROPOSED ACTION

#### 1.1 Introduction

The Bureau of Land Management (BLM) proposes to reissue 1 natural gas pipeline right-of-way and to renew 7 natural gas pipeline right-of-ways. All the right-of-ways authorize existing, buried pipelines located on public lands in the Bowdoin Field, Phillips County, Montana, and the pipelines are part of the existing infrastructure for oil and gas operations. The total area encumbered by these right-of-ways is approximately 65 miles long, 50 feet wide, and contains 392 acres. It is across portions of multiple townships which range from P.M.M., T. 31N., R. 29E., through P.M.M., T. 37N., R. 33E.. Right-of-way MTM108271 would be reissued, and right-of-ways MTM058620, MTM060031, MTM060034, MTM061178, MTM061180, MTM079164, and MTM083260 would be renewed.

#### 1.2 Purpose and Need

The purpose of the actions is to continue legal authorizations held by WBIE Midstream, LLC, Noble Energy Inc., and Omimex Canada, Ltd. for existing natural gas pipelines across lands managed by the BLM. This would allow uninterrupted transportation of natural gas to meet energy needs while protecting other resources and resource uses. The need for the actions is established by the BLM's responsibility to respond to requests for reissuing and renewing existing right-of-way grants under MLA, as amended, and 43 Code of Federal Regulations 2880.

#### 1.3 Background

Omimex Canada, Ltd. would hold the right-of-way proposed as a re-issue, MTM108271, which would replace their expired right-of-way MTM061181. WBI Energy Midstream, LLC, holds 6 of the right-of-ways proposed for renewal, MTM058620, MTM060031, MTM060034, MTM061178, MTM079164, and MTM083260. Noble Energy, Inc., holds the remaining right-of-way proposed for renewal, MTM061180.

#### 1.4 Decision to be Made

The BLM Malta Field Manager must decide or determine whether

To reissue right-of-way grant MTM108271.

To renew any of the following right-of-way grants: MTM058620, MTM060031, MTM060034, MTM061178, MTM061180, MTM079164, and MTM083260.

What stipulations would apply to each grant if it is renewed or reissued.

#### 1.5 Scoping

Internal scoping

The BLM resource specialists originally reviewed the each proposed action through internal scoping requests sent from 2013 through 2015. Potential cultural issues required surveys of most of the right-of-ways. After all surveys were completed, the BLM resource specialists received a request on March 8, 2016, to edit, review, and comment on this environmental assessment (EA) addressing the proposed actions for all eight right-of-ways on March 8, 2016. Copies of the original scoping requests and the specialists' responses are available in the administrative record for this EA.

#### External scoping

Notice of the proposed action became available for comment on March 8, 2016, when it was posted to the BLM's ePlanning NEPA Register website: https://eplanning.blm.gov/epl-front-office/eplanning/lup/lup\_register.do. No comments were received as of April 19, 2016. The completed EA became available for comment when it was posted to the ePlanning website in April, 2016.

#### 1.6 Issue Identified for Analysis (Resource Issues)

Internal scoping identified cultural resources to be considered in this analysis. Other issues were identified, but they were eliminated from further analysis. Three impact indicators are used to describe the affected environment for cultural resources and to evaluate the potential environmental effects from implementing the two alternatives.

- 1.6.1 How would the proposed action and the alternative affect Cultural Resources? Resource Impact Indicator(s):
  - Cultural Resources within the project area.
  - Permanent disturbance to cultural features due to ROW authorizations.
  - Permanent disturbance to features considered to be spiritually significant to Native American Tribes.

#### 1.7 Issues Considered but Eliminated from Further Analysis

The following issues were identified during scoping, but they were eliminated from further study for the reasons outlined below.

### 1.7.1 How would the proposed action and the alternative affect Noxious and Invasive Species?

Invasive weed species are not specifically noted as being present in the project area, but they are not in quantities to be considered infestations if they are present. Further, the following Best Management Practices (BMPs) for weed prevention and control would be stipulations for each grant, and these BMPs should prevent introduction and reduce growth of noxious and invasive species.

Noxious and Invasive Species Stipulations.

The holder would be responsible for weed control on disturbed areas within the limits of the right-of-way. The holder would be responsible for consultation with the authorized officer and local authorities for acceptable weed control methods. The holder will be responsible for filing with the BLM all required documentation to meet the BLM weed management regulations and guidelines.

All equipment and support vehicles used within the right-of-way for the purpose of reclamation, maintenance, construction, or repairs of the pipelines and pipeline infrastructure would be power washed and inspected to remove non-native weed seed before entering the proposed work zones.

Any reclamation efforts requiring reseeding would use certified weed free seed and certified weed free products.

1.7.2 How would the proposed action and the alternative affect Recreation, Special Designations, Lands with Wilderness Characteristics, and Visual Resources?One right of way, MTM079164, is within the Big Bend of the Milk River Area of Critical Concern (ACEC) which is designated to protect cultural resources and historic sites, so potential impacts to the ACEC are discussed under Chapter 4.

There are no developed recreation sites, recreation management areas, specific recreation management objectives, or lands with wilderness characteristics within the project area. Public use is low and dispersed, so renewal of existing infrastructure is not expected to impact recreation.

The right-of-ways are located within Visual Resource Management (VRM) Class III. The objective of this class is to partially retain the existing character of the landscape, so projects, including construction, should follow the form and structure of the surrounding landscape to the extent possible. Repairs to existing, buried, reclaimed pipelines would cause a temporary visual disturbance, but be quickly returned to a reclaimed landscape. Most pipeline operation actions would not impact the visual resource. In all cases, the existing and proposed stipulations would be sufficient to protect visual resources.

- 1.7.3 How would the proposed action and the alternative affect Soils?

  Effects of pipelines to soils are described in the Bowdoin Natural Gas Project Area EA (2008) (Bowdoin EA) on pages 4-61 to 4-64 and incorporated here by reference. At the time of construction, soils were disturbed but have since been reclaimed. The existing grant stipulations and the soil protection stipulations from the management actions and restrictions in Appendix M: Reclamation and Appendix N: Oil and Gas Best Management Practices in the HiLine RMP (2015) and Appendix D: Reclamation Plan in the Bowdoin Decision Record (2008) for the Bowdoin EA would provide adequate protection for soils. If monitoring determines that reclamation standards are not being met, appropriate corrective measures would be implemented.
- 1.7.4 How would the proposed action and the alternative affect Surface Water, Groundwater, Wetlands, and Riparian Areas?

Effects of pipelines on the above resources are described in the Bowdoin EA on pages 4-19 to 4-22 and incorporated here by reference. Though several of the pipelines cross streams, the crossings are in good condition and the anthropogenic alternations are not impairing the hydrologic function of the drainages.

The existing grant stipulations, compliance with restrictions in 43 CFR 2885.11 (9) (i), (ii), (iii), and (v); (10); (11); (13); and (22), and the water, wetland, and riparian area protection stipulations from the management actions and Appendix M: Reclamation and Appendix N: Oil and Gas Best Management Practices in the HiLine RMP (2015) would provide adequate protection of these resources.

1.7.5 How would the proposed action and alternatives affect Paleontological Resources? Since the nature of the proposed project includes no ground disturbance, the project does not have the potential to effect paleontological resources.

## 1.7.6 How would the proposed action and the alternative affect Greater Sage-Grouse and Wildlife?

Effects of pipelines to fish and wildlife, migratory birds, and Special Status Species are described in the Bowdoin Natural Gas Project Area EA (2008) (Bowdoin EA) on pages 4-73 to 4-94 and incorporated here by reference. The existing grant stipulations and the wildlife protection stipulations from the management actions and restrictions in Appendix G: Oil and Gas Lease Stipulations and Exception, Modification, and Waiver Criteria and in Appendix N: Oil and Gas Best Management Practices in the HiLine RMP (2015) and Appendix C: Conditions of Approval (pages C-1 through C-14) in the Bowdoin Decision Record (2008) for the Bowdoin EA would provide adequate protection for wildlife habitat.

#### Specific timing stipulations:

No surface disturbance from April 15 through July 15 to protect Sprague's pipit habitat in MTM058620, MTM108271, and MTM061180.

No surface disturbance from December 1 through May 15 to protect big game winter range in MTM058620.

#### 2 CHAPTER 2: THE PROPOSED ACTION AND ALTERNATIVES

#### 2.1 Introduction

Alternatives were developed based upon National and State BLM direction and policy, existing conditions, and resource issues. Resource issues are discussed in Chapter 1. Other factors that influenced alternative development are discussed in Chapter 3.

#### 2.2 Alternative A – No Action

The BLM would deny the reissue of MTM108271 and the renewals of these rights-of-ways. The right-of-way holders would have to locate and build new pipelines and gathering systems to continue transporting gas in this area.

#### 2.3 Alternative B – Proposed Action

The BLM would grant the reissue of MTM108271 and renewals of right-of-ways MTM058620, MTM060031, MTM060034, MTM061178, MTM061180, MTM079164, and MTM083260. The specific BMPs listed below under "Stipulations" would be stipulations for each grant. Timing stipulations specific to individual grants are listed below in Table 2.3.A. Timing Stipulations.

MTM108271 would retain all the rights conveyed by the expired right-of-way, MTM061181. No additional rights would be conveyed by the reissue or renewals. All right-of-ways would be subject to cost recovery and rent. All right-of-ways would be for the construction, operation, maintenance, and termination of the natural gas pipelines identified in the grant. The remaining specific rights conveyed to each right-of-way are identified in Table 2.3.B Rights Conveyed by Each Right-of-Way. The legal descriptions for each right-of-way are identified in Appendix 1. Legal Descriptions. A map of the entire project area is provided in Chapter 3. Affected Environment.

#### Stipulations:

- 1. The following stipulations replace any existing terms and conditions of the grant when there is a conflict between them.
- 2. The holder would be responsible for weed control on disturbed areas within the limits of the right-of-way. The holder would be responsible for consultation with the authorized officer and local authorities for acceptable weed control methods. The holder will be responsible for filing with the BLM all required documentation to meet the BLM weed management regulations and guidelines.
- 3. All equipment and support vehicles used within the right-of-way for the purpose of reclamation, maintenance, construction, or repairs of the pipelines and pipeline infrastructure would be power washed and inspected to remove non-native weed seed before entering the proposed work zones.
- 4. Any reclamation efforts requiring reseeding would use certified weed free seed and certified weed free products.
- 5. The BMPs from Appendix G: Oil and Gas Lease Stipulations and Exception, Modification, and Waiver Criteria, HiLine RMP (2015), in particular those addressing Greater Sage-Grouse and Wildlife would apply. The HiLine RMP (2015) is available online at: http://www.blm.gov/8qkd.
- 6. The BMPs from Appendix N: Oil and Gas Best Management Practices, HiLine RMP (2015) would apply. The HiLine RMP (2015) is available online at: http://www.blm.gov/8qkd.
- 7. The reclamation requirements and management practices found in Appendix M: Reclamation, HiLine RMP (2015) would apply to any surface disturbing activities. The HiLine RMP (2015) is available online at: http://www.blm.gov/8qkd.
- 8. The wildlife stipulations in Appendix C: Conditions of Approval (pages C-1 through C-14) in the Decision Record for the Bowdoin Natural Gas Project Area EA (2008) would apply to the grants. The Decision Record is available online at: http://www.blm.gov/mt/st/en/fo/malta\_field\_office/bowdoin\_ea.html.
- 9. The construction, erosion control, interim reclamation, final reclamation and monitoring procedures found in Appendix D: Reclamation Plan of the Decision Record for the Bowdoin Natural Gas Project Area EA (2008) would apply to any surface disturbing activity. The Decision Record is available online at: http://www.blm.gov/mt/st/en/fo/malta\_field\_office/bowdoin\_ea.html.

Serial No.	Timing Stipulation
MTM058620	No surface disturbance from April 15 through July 15 to protect Sprague's
	pipit habitat.
MTM058620	No surface disturbance from December 1 through May 15 to protect big
	game winter range in MTM058620.
MTM061180	No surface disturbance from April 15 through July 15 to protect Sprague's
	pipit habitat.
MTM108271	No surface disturbance from April 15 through July 15 to protect Sprague's
(original	pipit habitat.
MTM061181)	

Table 2.3.A. Timing Stipulation for Specific Right-of-Ways

Serial No.	Total Length	Width	Area	Pipe Diameter	Term
MTM058620	7.56 miles (39,912 ft)	50 ft	45.81 acs	4 in	20 years, renewable
MTM060031	7.26 miles (38,311 ft)	50 ft	43.97 acs	4 in	20 years, renewable
MTM060034	1.56 miles (8,214 ft)	50 ft	9.43 acs	4 in	20 years, renewable
MTM061178	1.02 miles (5,364 ft)	50 ft	6.16 acs	4 in	20 years, renewable
MTM061180	0.50 miles (2,629 ft)	50 ft	3.02 acs	2 in	10 years, renewable
MTM079164	45.9 miles (242,351 ft)	50 ft	278.18 acs	2 in	20 years, renewable
MTM083260	0.02 miles (130 ft)	50 ft	0.15 acs	3 in	20 years, renewable
MTM108271 (original MTM061181)	0.80 miles (4,225 ft)	50 ft	4.85 acs	2 in	30 years, renewable

Table 2.3.B. Rights Conveyed by Each Right-of-Way

#### 2.4 Conformance with Land Use Plan

The public lands in the project area are managed according to decisions in the HiLine Resource Management Plan (HiLine RMP) approved in 2015. The HiLine RMP can be accessed using the internet at http://www.blm.gov/8qkd.

The proposed action is in conformance with the HiLine RMP. Even though the proposed action is not specifically mentioned, it is consistent with the goals and objectives of Section 3.2.7 Lands and Realty, Rights-of-Way, Leases and Permits which direct the BLM to:

<sup>&</sup>quot;Address the needs of industry, utilities, the public, or government entities for land use authorizations while minimizing adverse impacts on other resource values" (p. 3-22).

#### 2.5 Relationship to Statutes, Regulations, other Plans, or other NEPA documents

The Bowdoin Natural Gas Project EA (Bowdoin EA): DOI-BLM-MT-92234-07-59 (2008). EA: Chapter 2.2 Existing Infrastructure, Chapter 3. Affected Environment, Chapter 4.5 Water Resources, Surface and Ground, and Chapter 4.9 Soils. Bowdoin EA: Finding of No Significant Impact (FONSI) and Decision Record (DR) (2008): Appendix C. Conditions of Approval, Appendix D. Reclamation Plan. The full EA, FONSI, and DR are available at http://www.blm.gov/mt/st/en/fo/malta\_field\_office/bowdoin\_ea.html.

Section 28 of the Mineral Leasing Act of 1920, as amended (30 U.S.C. 185) provides the BLM with the authority to grant and issue oil/gas pipeline right-of-ways through Federal lands.

<u>Code of Federal Regulations (CFR)</u>. The regulations in Title 43 CFR 2880 govern the BLM right-of-way grants for oil/gas pipelines under the Mineral Leasing Act (MLA).

#### 3 CHAPTER 3: AFFECTED ENVIRONMENT

#### 3.1 Introduction

The affected environment section describes the existing conditions and trends of resource issues and environmental elements that may be affected by implementing an alternative. This discussion contains the resource issue identified in Chapter 1 and provides the baseline for comparison of potential impacts and consequences described in Chapter 4.

#### 3.2 General Setting

The pipelines all lie within the Bowdoin Natural Gas Project Area. This area is a collection of several active oil/gas fields lying within Phillips and Valley Counties, Montana. In general, the area can be described as being located in Townships 30 through 37 North, Ranges 29 through 36 East (Bowdoin EA, 2008) (See Figure 3.2. Map of Project Area). The ecosystem is predominantly great plains mixed grass prairie intermixed with agricultural lands (Montana Natural Heritage, 2016). The area is drained by several streams which are tributaries to the Milk River.

#### 3.3 Relevant Past and Ongoing Actions

The pipelines in these right-of-ways were constructed in the 1980's through early 1990's in conjunction with the major development of the Bowdoin Natural Gas Project Area. Occasional wells are still drilled and then connected to the existing pipeline gas gathering system. All of the pipelines in these proposed renewals are identified in the Bowdoin EA (2008) as existing infrastructure. Most of the pipeline segments were inspected between 2011through 2015, and all inspections found that the pipeline location was successfully reclaimed.

#### 3.4 Cultural Resources

See Section 3.2 Cultural Resources of the Bowdoin EA (pgs. 3-5 through 3-10) for an in depth discussion of the Affected Environment. Section 3.2 Cultural Resources from Chapter 3. Affected Environment of the Bowdoin EA is incorporated here by reference.

Cultural inventories have been completed on a case-by-case basis since development began in the Bowdoin Natural Gas Project Area around 1973. Over 1,000 projects have been inventoried

since 1973, and the inventories found about 18 cultural sites per 1,000 acres examined. Most sites are prehistoric stone rings, but there are other prehistoric sites and a variety of historic sites in the area as well. A portion of the project lies within the Big Bend of the Milk River Area of Critical Environmental Concern which was created to protect cultural resources.

The proposed ROW's have been inventoried to Class III standards, the results of which are summarized below in Table 3.4 Cultural Sites by Right-of-way.

Serial No.	Predominate Site	# of NRHP Sites	Total Length of	Cultural
	Type	within 50 ft of	Right-of-Way	Resource Report
		pipeline		#
MTM058620	Prehistoric Stone	15	7.57 miles	15-MT-065-002
	Features		(39,962 ft)	
MTM060031	N/A	None	7.30 miles	15-MT-065-002
			(38,530 ft)	
MTM060034	Prehistoric Stone	4	1.56 miles (8,214	15-MT-065-002
	Features		ft)	
MTM061178	Prehistoric Stone	3	1.02 miles (5,363	15-MT-065-002
	Features		ft)	
MTM061180	N/A	None	0.50 miles	15-MT-065-003
			(2,629 ft)	
MTM079164	Prehistoric Stone	113	45.9 miles	15-MT-065-002
	Features, Lithics		(242,257 ft)	
MTM083260	N/A	None	0.02 miles	15-MT-065-002
			(130 ft)	
MTM108271	N/A	None	0.80 miles	16-MT-065-006
(original			(4,225 ft)	
MTM061181)				

Table 3.4 National Register of Historic Places (NRHP) Eligible Sites by Right-of-Way

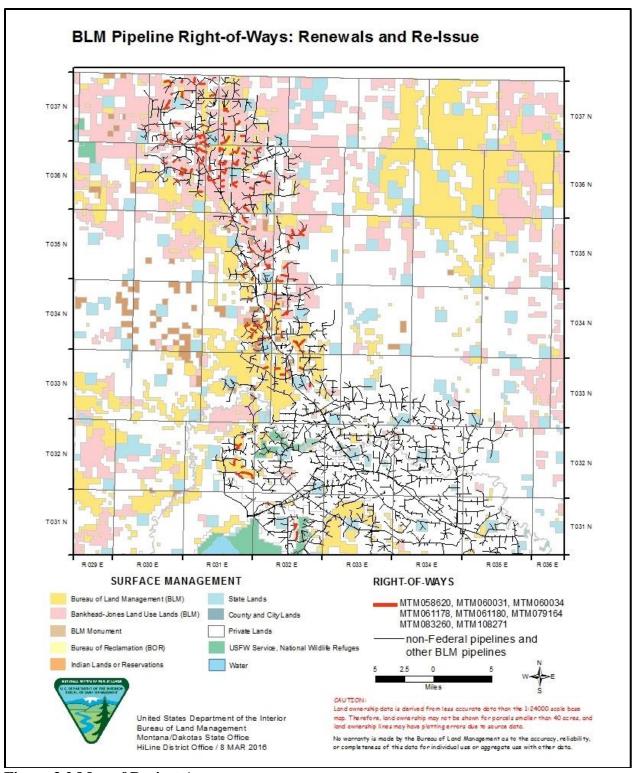


Figure 3.2 Map of Project Area

#### 4 CHAPTER 4: ENVIRONMENTAL EFFECTS

#### 4.1 Introduction

Potential effects include direct, indirect and cumulative effects. Direct effects are those which are caused by the action and occur at the same time and place. Indirect effects are reasonably predictable and caused later in time or farther removed in distance from the action. Cumulative effects to a resource result from the addition of the action's impacts to the accumulated effects from other past, present, and reasonably foreseeable future actions within a geographic and temporal scope specific to the resource or resource use.

#### 4.2 Methodology and Analytical Assumptions

The effects analysis is based on scientific literature, professional judgment, experience, and field measurements. This analysis describes the estimated effects on cultural resources from implementing alternatives as cultural resources was the only issue identified for further analysis in Chapter 1.

#### 4.3 Cultural Resources

#### 4.3.1 Alternative A – No Action

There would be no effect to cultural resources or Native American concerns under the no action alternative as there would be no new ground disturbance.

#### 4.3.2 Alternative B – Proposed Action

The proposed action specific to right-of-ways MTM060031, MTM061180, MTM083260, and MTM108271 would have no effect to cultural resources as none have been located within their respective footprints during inventory.

Right-of-ways MTM058620, MTM060034, MTM061178, and MTM079164 contain a multitude of National Register of Historic Places (NRHP) eligible cultural resource sites within the proposed right-of-way grants. However, the projects have already been constructed, so the major ground disturbance occurred, in some cases, as early as 1986.

With the application of the following stipulation, the proposed action would have no effect to cultural resources.

#### Stipulation

The right-of-way holder would contact the BLM before starting any non-emergency ground disturbing activities. At that time, formal eligibility determinations as well as applicable avoidance and/or mitigation requirements would be established. Any costs would be the holder's responsibility.

#### 5 CHAPTER 5: CONSULTATION AND COORDINATION

#### 5.1 Introduction

A notice of availability regarding this EA was posted in the NEPA Register on the BLM's ePlanning website: https://eplanning.blm.gov/epl-front-office/eplanning/lup/lup\_register.do on March 8, 2016, and the completed EA was posted on the ePlanning website in April, 2016.

#### 5.2 Persons, Groups, and Agencies Consulted

The Montana State Historic Preservation Officer (SHPO) was consulted during the preparation of this environmental assessment. This consultation was for this federal undertaking, as required by the National Historic Preservation Act. The SHPO approved the BLM's approach and methodology for this type of right-of-way in multiple letters (See Havre SHPO Log 2015 on file in the BLM Havre Field Office.)

#### **5.3** List of Preparers

The following BLM resource specialists were consulted regarding the resources and resource uses for which they are responsible and contributed to the preparation of this EA.

Kirsten Boyle, Natural Resource Specialist Project Lead

Josh Chase, Archaeologist Cultural Resources, Paleontological

Resources, Native American Religious

Concerns

Josh Sorlie, Soil Scientist Soils

Kathleen Tribby, Wildlife Biologist Greater Sage-Grouse, Threatened &

Endangered Species, Wildlife

Hal Moore, Rangeland Management Specialist Noxious and Invasive Species, Vegetation,

Livestock Grazing

Jason Snellman, Outdoor Recreation Planner Lands with Wilderness Characteristics,

Recreation, Visual Resources

Thomas Probert, Hydrologist Wetlands, Riparian Areas, Surface and

**Ground Water** 

#### 6 REFERENCES

Montana Natural Heritage Program. Ecological Information. MapViewer - Land Cover. 03/07/2016. http://mtnhp.org/mapviewer/?t=1

#### 7 APPENDIX: Legal Descriptions

#### MTM058620

P.M.M., T. 36N., R. 30E.

sec. 1, Lot 3, NE1/4SW1/4, SE1/4.

sec. 14, SE1/4NW1/4, N1/2SW1/4.

P.M.M., T. 37N., R. 30E.

sec. 25, NE1/4SE1/4.

sec. 35, E1/2SE1/4.

P.M.M., T. 32N., R. 31E.

sec. 23, NE/14NW1/4, S1/2NW1/4,

W1/2SW1/4.

P.M.M., T. 34N., R. 31E.

sec. 13, SE1/4SW1/4, SW1/4SE1/4.

sec. 23, SE1/4SE1/4.

sec. 25, SW1/4SE1/4.

P.M.M., T. 35N., R. 31E.

sec. 25, SW1/4NE1/4, SE1/4NW1/4, NW1/4SE1/4.

P.M.M., T. 36N., R. 31E.

sec. 2, Lots 1-3, NE1/4SW1/4.

sec. 3, S1/2SW1/4.

sec. 4, SE1/4SW1/4, SE1/4.

sec. 11, N1/2NW1/4.

sec. 20, NE1/4SW1/4, N1/2SE1/4.

sec. 24, SW1/4NE1/4, NW1/4.

P.M.M., T. 31N., R. 32E.

sec. 15, W1/2SE1/4.

sec. 22, NW1/4NE1/4, SE1/4.

sec. 27, NW1/4NE1/4.

P.M.M., T. 33N., R. 32E.

sec. 7. SE1/4SE1/4.

sec. 8, SW1/4SW1/4.

P.M.M., T. 34N., R. 32E.

sec. 30, SE1/4NE1/4, NE1/4SE1/4.

P.M.M., T. 35N., R. 32E.

sec. 31, NE1/4SW1/4, N1/2SE1/4.

P.M.M., T. 36N., R. 32E.

sec. 18, NE1/4SE1/4.

#### MTM060031

P.M.M., T. 36N., R. 30E.

sec. 9, SE1/4SW1/4, SW1/4SE1/4.

sec. 10, SW14SW1/4, E1/2SW1/4.

sec. 14, NW1/4SW1/4.

sec. 15, E1/2SE1/4.

P.M.M., T. 37N., R. 30E.

sec. 4, N1/2SE1/4, SE1/4SE1/4.

sec. 33, SW1/4SE1/4.

P.M.M., T. 32N., R. 31E.

sec. 11, SE1/4SW1/4, S1/2SE1/4.

P.M.M., T. 36N., R. 31E.

sec. 5, Lots 3-4, NE1/4SW1/4,

NW1/4SE1/4.

sec. 8, NE1/4SW1/4, N1/2SE1/4.

sec. 13, SW1/4SW1/4.

sec. 14, SE1/4SE1/4.

sec. 17, SW1/4NE1/4, SE1/4NW1/4,

NW1/4SE1/4.

sec. 19, N1/2.

sec. 21, SE1/4NW1/4, NE1/4SW1/4, W1/2SE1/4. SE1/4SE1/4

07 G1/0NO1/4 N1/0GE1/4

sec. 27, S1/2N31/4, N1/2SE1/4.

P.M.M., T. 34N., R. 31E.

sec. 24, SE1/4NW1/4.

P.M.M., T. 35N., R. 31E.

sec. 4, NE1/4SW1/4.

sec. 26, SE1/4NW1/4.

sec. 27, NE1/4SE1/4.

P.M.M., T. 37N., R. 31E.

sec. 29,NW1/4NE1/4, NE1/4NW1/4.

sec. 30,NW1/4NE1/4, NE1/4NW1/4.

sec. 31, NE1/4NW1/4.

sec. 32, NE1/4NE1/4.

sec. 33, N1/2NW1/4.

P.M.M., T. 35N., R. 32E.

sec. 8, S1/2SE1/4.

#### MTM060034

P.M.M., T. 36N., R. 30E., sec. 12, SE1/4SW1/4, SE1/4SE1/4, SW1/4SE.

P.M.M., T. 37N., R. 30E., sec. 2, SW1/4SW1/4.

P.M.M., T. 35N., R. 31E., sec. 24, NE1/4NE1/4, NW1/4NE1/4, NE1/4NW1/4.

P.M.M., T. 36N., R. 31E., sec. 9, NE1/4SW1/4, SW1/4SE1/4, sec. 18, SE1/4NW1/4.

#### MTM061178

P.M.M., T. 37N., R. 30E., sec. 35, SE1/4SE1/4.

P.M.M., T. 36N., R. 31E., sec. 6, Lot 4.

P.M.M., T. 32N., R. 34E., sec. 3, Lot 3.

#### MTM061180

P.M.M., T. 35N., R. 31E., sec. 25, NW1/4SE1/4.

P.M.M., T. 35N., R. 32E., sec. 17, \$1/2NW1/4, NE1/4SW1/4.

#### MTM079164

P.M.M., T. 31N., R. 32E.

Section 5, S1/2SW1/4.

Section 15, NW1/4NE1/4, SW1/4NE1/4, NW1/4SE1/4.

Section 22, W1/2NE1/4, E1/2SE1/4, NW1/4SE1/4.

Section 25, E1/2NE1/4.

P.M.M., T. 31N., R. 33E.

Section 14, SE1/4NW1/4.

#### P.M.M., T. 32N., R. 31E.

Section 1, SE1/4SW1/4.

Section 11, E1/2NE1/4.

Section 14, NW1/4NE1/4, NE1/4NW1/4.

Section 23, NE1/4NW1/4, SE1/4SE1/4.

Section 24, SW1/4SW1/4.

Section 25, S1/2NE1/4, SW1/4NW1/4, SE1/4NW1/4, SW1/4SW1/4,E1/2SE1/4.

Section 26, S1/2NE1/4, SE1/4NW1/4, E1/2SE1/4, NW1/4SE1/4.

#### P.M.M., T. 33N., R. 31E.

Section 12, N1/2NE1/4, SW1/4NE1/4, E1/2NW1/4.

#### P.M.M., T. 33N., R. 32E.

Section 7, S1/2NE1/4, SE1/4NW1/4, NE1/4SW1/4.

Section 8, S1/2NW1/4.

Section 9, W1/2NE1/4, NE1/4NW1/4.

Section 15, E1/2SW1/4.

#### P.M.M., T. 33N., R. 33E.

Section 35, SE1/4NW1/4.

#### P.M.M., T. 34N., R. 31E.,

Section 2, SW1/4SW1/4.

Section 11, SW1/4NW1/4.

Section 13, NE1/4NE1/4, SE1/4SW1/4.

Section 22, N1/2SE1/4.

Section 23, SW1/4, E1/2SE1/4, NW1/4SE1/4.

Section 24, NW1/4NE1/4, SW1/4SW1/4.

Section 25, W1/2SE1/4.

Section 26, W1/2NE1/4, SE1/4NE1/4, E1/2NW1/4. N1/2SW1/4, SW1/4SW1/4, SE1/4SE1/4.

Section 35, SE1/4NE1/4, NE1/4SW1/4.

#### P.M.M., T. 34N., R. 32E.

Section 6, LOTS 6,7.

Section 7, NE1/4SW1/4,W1/2SE1/4.

Section 8, SE1/4SW1/4.

Section 17, S1/2NW1/4, N1/2SW1/4.

Section 18, LOT 1, E1/2SE1/4.

Section 19, SE1/4SW1/4, SW1/4SE1/4.

Section 21, NW1/4SE1/4.

Section 28, SW1/4SW1/4, E1/2SE1/4, SW1/4SE1/4.

Section 29, SE1/4SE1/4.

Section 32, SE1/4NE1/4.

Section 33, NW1/4NE1/4, E1/2NW1/4, NW1/4NW1/4, NE1/4SW1/4, S1/2SE1/4.

#### P.M.M., T. 35N., R. 31E.

- Section 3, SE1/4NW1/4, NE1/4SW1/4, W1/2SE1/4.
- Section 4, SE1/4NW1/4.
- Section 14, NE1/4SW1/4.
- Section 15, SE1/4SE1/4.
- Section 23, NW1/4.
- Section 24, N1/2NE1/4, E1/2NW1/4, SW1/4SW1/4.
- Section 25, SW1/4NE1/4, NW1/4SE1/4.
- Section 26, SW1/4SW1/4.
- Section 27, SW1/4NE1/4, NW1/4SE1/4.
- Section 34, SW1/4NE1/4, SE1/4NW1/4.
- Section 35, W1/2SW1/4.

#### P.M.M., T. 35N., R. 32E.

- Section 8, SW1/4NE1/4, SE1/4SW1/4, W1/2SE1/4.
- Section 9, E1/2SW1/4, NW1/4SW1/4, SW1/4SE1/4.
- Section 17. NW1/4NE1/4.
- Section 29, NE1/4NW1/4, SW1/4NW1/4, NW1/4SW1/4.
- Section 30, NE1/4SE1/4.
- Section 31, LOT 4, S1/2NE1/4, SE1/4SW1/4.
- Section 32, S1/2NW1/4, NE1/4SE1/4.

#### P.M.M., T. 36N., R. 30E.

- Section 1, LOTS 1,3,4, N1/2SW1/4, SW1/4SW1/4, E1/2SE1/4.
- Section 10, N1/2SE1/4.
- Section 11, SE1/4SW1/4.
- Section 12, E1/2NE1/4, SW1/4NE1/4, SE1/4.
- Section 14, SE1/4NE1/4, S1/2NW1/4, SW1/4SW1/4, NE1/4SE1/4.
- Section 15, E1/2NE1/4, SE1/4NW1/4, SE1/4SE1/4.
- Section 22, SW1/4NE1/4, SE1/4NW1/4.
- Section 25, N1/2NE1/4, E1/2NW1/4.

#### P.M.M., T. 36N., R. 31E.

- Section 4, LOT 1, S1/2SW1/4, NE1/4SE1/4.
- Section 5, LOT 4, W1/2SW1/4.
- Section 6, LOTS 4,6.
- Section 7. SE1/4NE1/4.
- Section 8, SW1/4, N1/2SE1/4, SW1/4SE1/4.
- Section 9, SE1/4NE1/4, SE1/4SW1/4, N1/2SE1/4, SW1/4SE1/4.
- Section 17, W1/2NE1/4, SW1/4SW1/4, NW1/4SE1/4.
- Section 18, LOT 4, E1/2NW1/4.
- Section 19, LOT 1, E1/2NE1/4, NW1/4NE1/4, NE1/4SE1/4.
- Section 20, N1/2NE1/4, SW1/4NE1/4, E1/2NW1/4, NW1/4NW1/4.
- Section 21, S1/2NE1/4, SE1/4NW1/4.
- Section 22, SE1/4SE1/4.
- Section 23. SW1/4SW1/4.

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Section 33, NW1/4NE1/4, N1/2SE1/4.
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Section 34, SW1/4NE1/4, SE1/4NW1/4, SE1/4.

#### P.M.M., T. 37N., R. 29E.

Section 25, S1/2SE1/4.

#### P.M.M., T. 37N., R. 30E.

- Section 1, SE1/4NW1/4.
- Section 2, S1/2S1/2.
- Section 3, E1/2E1/2.
- Section 5, E1/2SE1/4, N1/2S1/2.
- Section 8, NE1/4NE1/4, E1/2SE1/4.
- Section 9, S1/2NE1/4, E1/2SE1/4.
- Section 12, E1/2SW1/4, SW1/4SW1/4, NW1/4SE1/4.
- Section 17, NE1/4, S1/2SW1/4, NW1/4SE1/4, S1/2SE1/4.
- Section 25, W1/2SW1/4.
- Section 26, S1/2NE1/4.
- Section 28, W1/2NE1/4, SE1/4NE1/4, N1/2NW1/4.
- Section 30, SW1/4NE1/4, NE1/4SE1/4.
- Section 32, E1/2NW1/4, E1/2SE1/4.
- Section 33, SW1/4SW1/4, N1/2SE1/4, SW1/4SE1/4.
- Section 35, NE1/4, NW1/4, S1/2SW1/4, NW1/4SE1/4, S1/2SE1/4.

#### P.M.M., T. 37N., R. 31E.

- Section 18, E1/2SW1/4, SE1/4SW1/4, SW1/4SE1/4.
- Section 19, N1/2NE1/4, NE1/4NW1/4.
- Section 20, SE1/4SE1/4.
- Section 29, N1/2NE1/4.
- Section 31, LOT 4, E1/2NE1/4, E1/2SW1/4, N1/2SE1/4.
- Section 33, NE1/4NW1/4, NW1/4SE1/4.

#### MTM083260

P.M.M., T. 31N., R. 32E., sec. 11, NE1/4NE1/4.

#### MTM108271

P.M.M., T. 35N., R. 32E., sec. 9, SW1/4NE1/4, SE1/4NW1/4, NE1/4SW1/4, NW1/4SW1/4.